

What Is Claimed Is:

1. A piezoelectric transmitter having a substrate (1) made of a piezoelectric material provided with a first electrode (2) on a first surface and a second electrode (6) on a second surface opposite said first surface, with on said first surface an electrode-free rim surface (3) being provided, on which is disposed a component (9) having temperature-dependent behavior and conductively connected via a connection to at least one of said electrodes (2,6).
2. A piezoelectric transmitter according to claim 1, characterized by said substrate (1) made of a piezoelectric material being a piezoceramic.
3. A piezoelectric transmitter according to claim 1 or 2, characterized by said first electrode (2) having a shape with a nose (5), which forms on said first surface a connecting pad via which the connection of said component (9) is conductively connected to said first electrode (2).
4. A piezoelectric transmitter according to one of the claims 1 to 3, characterized by said second electrode (6) having a shape with a nose (8), which runs around the rim of said substrate (1) and forms on said first surface a connecting pad via which said connection or an additional connection of said component (9) is conductively connected to said second electrode (6).
5. A piezoelectric transmitter according to one of the claims 1 to 4, characterized by the capacitor formed by said two electrodes (2,6) being connected in series to said component (9) and said component having low impedance in comparison to said substrate.
6. A piezoelectric transmitter according to one of the claims 1 to 4, characterized by the capacitor formed by said two electrodes (2,6) being connected in parallel to said component (9) and said component having high impedance compared to said substrate.
7. A piezoelectric transmitter according to one of the claims 1 to 6, characterized by said component (9) being a PTC resistor.
8. A piezoelectric transmitter according to one of the claims 1 to 6, characterized by said component (9) being a NTC resistor.
9. A piezoelectric transmitter according to one of the claims 1 to 8, characterized by said component (9) being built in the SMD manner.

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